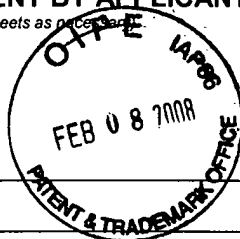


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/945,535
Filing Date	August 30, 2001
First Named Inventor	Ahn, Kie
Group Art Unit	2813
Examiner Name	Rodgers, Colleen

Sheet 1 of 4

Attorney Docket No: 1303.026US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-20020019116A1	02/14/2002	Sandhu, G. S., et al.	09/24/2001
	US-20020145845A1	10/10/2002	Hunt, Andrew , et al.	03/30/2001
	US-20020176989A1	11/28/2002	Knudsen, Philip , et al.	04/16/2002
	US-20030064607A1	04/03/2003	Leu, Jihpeng , et al.	09/29/2001
	US-20030141560A1	07/31/2003	Sun, Shi-Chung	01/25/2002
	US-20030205774A1	11/06/2003	Hokazono, A.	04/25/2003
	US-20030216038A1	11/20/2003	Madhukar, S. , et al.	09/10/2002
	US-20040023516A1	02/05/2004	Londergan, Ana , et al.	10/02/2002
	US-20040196620A1	10/07/2004	Knudsen, P. D., et al.	04/24/2004
	US-20050157549A1	07/21/2005	Mokhlesi, Nima , et al.	01/21/2004
	US-20060019033A1	01/26/2006	Muthukrishnan, S. , et al.	06/24/2005
	US-20060027882	02/09/2006	Mokhlesi, Nima	09/12/2005
	US-20060033165A1	02/16/2006	Chan, K. K., et al.	08/11/2004
	US-20060245984A1	11/02/2006	Kulkarni, A. A., et al.	10/06/2005
	US-20070007560A1	01/11/2007	Forbes, L. , et al.	06/01/2006
	US-20070007635A1	01/11/2007	Forbes, L. , et al.	08/31/2005
	US-20070010060A1	01/11/2007	Forbes, L. , et al.	07/07/2005
	US-20070010061A1	01/11/2007	Forbes, L. , et al.	06/01/2006
	US-20070027882A1	02/01/2007	Kulkarni, P	07/28/2005
	US-20070045676A1	03/01/2007	Forbes, Leonard , et al.	06/13/2006
	US-20070045752A1	03/01/2007	Forbes, L. , et al.	06/13/2006
	US-20070049023A1	03/01/2007	Ahn, Kie Y., et al.	08/29/2005
	US-20070141832A1	06/21/2007	Farrar, P. A.	12/08/2005
	US-20070181931A1	08/09/2007	Ahn, K. Y., et al.	04/13/2007
	US-20070187772A1	08/16/2007	Ahn, K. Y., et al.	04/19/2007
	US-20070187831A1	08/16/2007	Ahn, K. Y., et al.	02/16/2006
	US-20070234949A1	10/11/2007	Ahn, K. Y., et al.	04/07/2006
	US-5,304,622	04/19/1994	Ikai, K. , et al.	12/30/1992
	US-5,478,653	12/26/1995	Guenzer, C. S.	04/04/1994
	US-5,777,923	07/07/1998	Lee, P. W., et al.	06/17/1996
	US-5,814,584	09/29/1998	Tauber, A. , et al.	06/30/1995
	US-5,923,056	07/13/1999	Lee, Woo-Hyeong , et al.	03/12/1998
	US-5,999,454	12/07/1999	Smith, Malcolm H.	08/19/1998
	US-6,034,015	03/07/2000	Lin, Wen-Yi , et al.	05/14/1998
	US-6,060,755	05/09/2002	Ma, Y. , et al.	07/19/1999
	US-6,075,691	06/13/2000	Duenas, S. , et al.	08/25/1997
	US-6,146,976	11/14/2000	Stecher, M. , et al.	12/14/1999
	US-6,173,379	01/09/2001	Poplingher, M. , et al.	05/14/1996
	US-6,174,809	01/16/2001	Kang, S. , et al.	12/15/1998
	US-6,207,522	03/27/2001	Hunt, Andrew , et al.	11/23/1998

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,535
Filing Date	August 30, 2001
First Named Inventor	Ahn, Kie
Group Art Unit	2813
Examiner Name	Rodgers, Colleen

Sheet 2 of 4

Attorney Docket No: 1303.026US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-6,270,835	08/07/2001	Hunt, Andrew , et al.	10/07/1999
	US-6,313,035	11/06/2001	Sandhu, G. S., et al.	05/31/1996
	US-6,383,861	05/07/2002	Gonzalez, F. , et al.	02/18/1999
	US-6,392,257	05/21/2002	Ramdani, J. , et al.	02/10/2000
	US-6,395,650	05/28/2002	Callegari, Alessandro C., et al.	10/23/2000
	US-6,407,427	06/18/2002	Oh, Jeong H.	11/06/2000
	US-6,433,993	08/13/2002	Hunt, A. T., et al.	03/31/1999
	US-6,465,853	10/15/2002	Hobbs, Christopher , et al.	05/08/2001
	US-6,541,280	04/01/2003	Kaushik, Vidya S., et al.	03/20/2001
	US-6,559,014	05/06/2003	Jeon, J.	10/15/2001
	US-6,613,695	09/02/2003	Pomarede, Christophe , et al.	08/31/2001
	US-6,620,752	09/16/2003	Messing, Gary , et al.	08/24/2001
	US-6,728,092	04/27/2004	Hunt, Andrew T., et al.	03/30/2001
	US-6,734,480	05/11/2004	Chung, Jeong-hee , et al.	01/15/2002
	US-6,753,567	06/22/2004	Maria, Jon-Paul , et al.	01/13/2003
	US-6,760,257	07/06/2004	Huang, J. , et al.	08/29/2002
	US-6,784,101	08/31/2004	Yu, Bin , et al.	05/16/2002
	US-6,900,481	05/31/2005	Jin, B. , et al.	02/21/2002
	US-7,019,351	03/28/2006	Eppich, D. M., et al.	03/12/2003
	US-7,068,544	06/27/2006	Forbes, L , et al.	08/30/2001
	US-7,122,415	10/17/2006	Jang, C. , et al.	09/12/2002
	US-7,195,999	03/27/2007	Forbes, L. , et al.	07/07/2005
	US-7,211,492	05/01/2007	Forbes, L. , et al.	08/31/2005
	US-7,214,994	05/08/2007	Forbes, L. , et al.	06/13/2006
	US-7,279,413	10/09/2007	Park, D. , et al.	06/16/2004
	US-7,309,664	12/18/2007	Marzolin, C. , et al.	06/10/1999
	US-7,312,494	12/25/2007	Ahn, Kie Y., et al.	08/31/2004
	US-7,326,980	02/05/2008	Ahn, K. Y., et al.	08/31/2004

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
--------------------	---------------------	------------------	---	----------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHN, et al., "ALD OF Zr-SUBSTITUTED BaTiO3 FILMS AS GATE DIELECTRICS", U.S. Application No. 11/498,559, filed August 3, 2006 (Attny Docket No. 1303.178US1) Client Ref No 06-0094.	

EXAMINER

DATE CONSIDERED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,535
Filing Date	August 30, 2001
First Named Inventor	Ahn, Kie
Group Art Unit	2813
Examiner Name	Rodgers, Colleen

Sheet 3 of 4

Attorney Docket No: 1303.026US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHN, K Y., "ATOMIC LAYER DEPOSITED BARIUM STRONTIUM TITANIUM OXIDE FILMS", U.S. Application No. 11/510,803, filed August 26, 2006 (Attny Docket No. 1303.174US1).	
		AHN, KIE Y., "ATOMIC LAYER DEPOSITION OF GDSC03 FILMS AS GATE DIELECTRICS", U.S. Application Serial No. 11/215,507, filed August 30, 2005 (Attorney Docket 1303.156US1), 05-0665,	
		AHN, KIE Y., et al., "HAFNIUM LANTHANIDE OXYNITRIDE FILMS", U.S. Appln. Serial No. 11/515,143, filed August 31, 2006 (Attny No. 1303.180US1; client ref no 06-0107).	
		AHN, KIE Y., "MAGNESIUM-DOPED ZINC OXIDE STRUCTURES AND METHODS", U.S. Patent Application Serial No. 11/706,820, filed February 13, 2007; Attorney Docket No. 1303.198US1 Client ref no 06-0979).	
		AHN, KIE Y., et al., "METHODS TO FORM DIELECTRIC STRUCTURES IN SEMICONDUCTOR DEVICES AND RESULTING DEVICES", U.S. Patent Application Serial Number 11/581,675, filed August 16, 2006 (Attorney docket number 1303.191US1, Client ref 06-0234).	
		AHN, KIE Y., "MOLYBDENUM-DOPED INDIUM OXIDE STRUCTURES AND METHODS", U.S. Application Serial No. 11/706,944, filed Feb. 13, 2007, (Attny Docket No 1303.199US1, Client Ref No 06-1115.00).	
		AHN, KIE Y., et al., "TUNGSTEN-DOPED INDIUM OXIDE STRUCTURES AND METHODS", US Patent Application Serial No 11/706,498, filed February 13, 2007 (Attorney Docket no 1303.197US1 client ref no 06-06-0912).	
		AHN, KIE Y., et al., "ZIRCONIUM-DOPED ZINC OXIDE STRUCTURES AND METHODS", U.S. Application Serial No 11/707,173 filed 02/13/2007 (Attny docket no 1303.196US1, client ref no 06-0853).	
		FORBES, "HAFNIUM ALUMINIUM OXYNITRIDE HIGH-K DIELECTRIC AND METAL GATES", U.S. Appln. Serial No. 11/514,558, filed August 31, 2006 (Attny docket No. 1303.187US1; client ref no 06-0075).	
		FORBES, "HAFNIUM TANTALUM OXYNITRIDE HIGH-K DIELECTRIC AND METAL GATES", U.S. Appln. Serial No. 11/515,114, filed August 31, 2005, Attny docket no. 1303.185US1, client ref no 06-0073.	
		FORBES, LEONARD , et al., "SILICON LANTHANIDE OXYNITRIDE FILMS", U.S. Appln. Serial No. 11/514,533, filed August 31, 2006 (Attny docket No. 1303.179US1; client ref no 06-0105).	
		FORBES, et al., "TANTALUM ALUMINUM OXYNITRIDE HIGH-K DIELECTRIC AND METAL GATES", U.S. Appln. Serial No. 11/514,655, filed August 31, 2006 (Attny docket No. 1303.177US1; client ref no 06-0085).	
		FORBES, LEONARD , et al., "TANTALUM SILICON OXYNITRIDE HIGH-K DIELECTRICS AND METAL GATES", U.S. Appln. Serial No. 11/514,601, filed August 31, 2006 (Attny docket No. 1303.181US1; client ref no 06-0108).	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,535
Filing Date	August 30, 2001
First Named Inventor	Ahn, Kie
Group Art Unit	2813
Examiner Name	Rodgers, Colleen

Sheet 4 of 4

Attorney Docket No: 1303.026US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MORAIS, J. , et al., "Composition, atomic transport, and chemical stability of ZrAlxOy ultrathin films deposited on Si(001)", <u>Applied Physics Letters</u> , 79(13), (Sep. 24, 2001), 1998-2000	
		NALWA, H. S., "Handbook of Thin Film Materials", <u>Deposition and Processing of thin Films</u> , Vol. 1, San Diego : Academic Press, (2002), 114-119	
		NIEMINEN, MINNA , et al., "Growth of gallium oxide thin films from gallium acetylacetonate by atomic layer deposition", <u>J. Mater. Chem.</u> , 6(1), (1996), 27-31	
		XIAO, et al., "Deposition of hard mental nitride-like coatings in an electro cyclotron resonance discharge", <u>Elsevier</u> , (9/13/2003), 389-393	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached